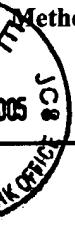
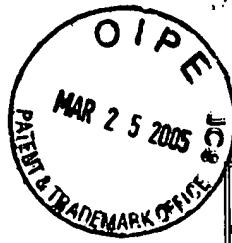


AMENDMENT TRANSMITTAL LETTER (Large Entity)					Docket No. C-3053
Applicant(s): Richard D. Breault and Patrick L. Hagans					
Application No. 10/656,529	Filing Date 9/5/2003	Examiner Carol Chaney	Customer No.	Group Art Unit 1745	Confirmation No.
Invention: Method of Operating a Fuel Cell System Under Freezing Conditions					
					
<u>COMMISSIONER FOR PATENTS:</u>					
<p>Transmitted herewith is an amendment in the above-identified application.</p> <p>The fee has been calculated and is transmitted as shown below.</p>					
CLAIMS AS AMENDED					
	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST # PREV. PAID FOR	NUMBER EXTRA CLAIMS PRESENT	RATE	ADDITIONAL FEE
TOTAL CLAIMS	9 -	20 =	0	x \$50.00	\$0.00
INDEP. CLAIMS	2 -	3 =	0	x \$200.00	\$0.00
Multiple Dependent Claims (check if applicable) <input type="checkbox"/>					\$0.00
TOTAL ADDITIONAL FEE FOR THIS AMENDMENT					\$0.00
<p><input checked="" type="checkbox"/> No additional fee is required for amendment.</p> <p><input type="checkbox"/> Please charge Deposit Account No. in the amount of</p> <p><input type="checkbox"/> A check in the amount of to cover the filing fee is enclosed.</p> <p><input checked="" type="checkbox"/> The Director is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account 50-1307</p> <p><input checked="" type="checkbox"/> Any additional filing fees required under 37 C.F.R. 1.16.</p> <p><input type="checkbox"/> Any patent application processing fees under 37 CFR 1.17.</p> <p><input type="checkbox"/> Payment by credit card. Form PTO-2038.</p>					
<p>WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.</p>					
 <i>Signature</i>			Dated: March 23, 2005		
Stephen E. Revis Registration #26,609			I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to "Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450" [37 CFR 1.8(a)] on		
			<u>March 23, 2005</u> (Date)		
			 <i>Signature of Person Mailing Correspondence</i>		
			Stephen E. Revis		
			Typed or Printed Name of Person Mailing Correspondence		



IFW

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of Richard D. Breault and
Patrick L. Hagans

Docket No.: C-3053

Examiner: Carol Chaney

Serial No.: 10/656,529

Group Art Unit: 1745

Filed: September 5, 2003

Title: Method of Operating a Fuel Cell System Under Freezing Conditions

1
2 Commissioner for Patents
3 P. O. Box 1450
4 Alexandria, VA 22313-1450

5
6 Sir:

7 **AMENDMENT**
8

9 In response to the Office Action dated January 7, 2005, please amend the
10 above-identified application as follows:

11

12 **IN THE CLAIMS:**

13 Cancel claims 1-21.

14 Add the following new claims:

15 22. A method for operating a fuel cell system, the system including a stack of
16 PEM fuel cells including at least one cooler for carrying antifreeze through the
17 stack to remove heat, the fuel cell system further including a water circulation
18 system for accumulating water and circulating that water through water flow
19 passages passing through each cell, wherein, at the time of start-up, the stack
20 has frozen water therein and there is insufficient liquid water within the water
21 circulation system to enable the circulation of water, the method for operating
22 the fuel cell system including (a) starting up and operating the frozen stack by
23 introducing non-humidified reactants into the cells and connecting a load
24 across the stack to generate heat to increase the stack temperature to above 0°C
25 and thereby melt frozen water within the stack, including accumulating liquid
26 water during stack operation until there is sufficient liquid water to enable
27 circulation of liquid water through the cell water flow passages, and thereafter